Substitute Form PTO-1449
(Modified)U.S. Department of Commerce
Patent and Trademark OfficeAttorney's Docket No.
14074-007001Application No.
10/783,958**Information Disclosure Statement
by Applicant**
(Use several sheets if necessary)Applicant
Robert S. WhitehouseFiling Date
February 20, 2004Group Art Unit
1775

(37 CFR §1.98(b))

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
MOB	AA	US 2002/0068810	06/06/2002	Whitehouse et al.			
MOB	AB	Re. 36,548	02/01/2000	Noda			
MOB	AC	4,804,691	02/14/1989	English et al.			
MOB	AD	5,169,889	12/08/1992	Kauffman et al.			
MOB	AE	5,252,646	10/12/1993	Iovine et al.			
MOB	AF	5,312,850	05/17/1994	Iovine et al.			
MOB	AG	5,387,623	02/07/1995	Ryan et al.			
MOB	AH	5,502,116	03/26/1996	Noda			
MOB	AI	5,536,564	07/16/1996	Noda			
MOB	AJ	5,614,576	03/25/1997	Rutherford et al.			
MOB	AK	5,656,367	08/12/1997	Iovine et al.			
MOB	AL	5,658,646	08/19/1997	Takano et al.			
MOB	AM	5,700,344	12/23/1997	Edgington et al.			
MOB	AN	5,711,842	01/27/1998	Kemmish			
MOB	AO	5,753,364	05/19/1998	Rutherford et al.			
MOB	AP	5,753,724	05/19/1998	Edgington et al.			
MOB	AQ	5,853,876	12/29/1998	Takano et al.			
MOB	AR	5,952,405	09/14/1999	Schoenberg et al.			
MOB	AS	6,086,997	07/11/2000	Patel et al.			
MOB	AT	6,290,803	09/18/2001	Maksymkiw et al.			
MOB	AU	6,306,904	10/23/2001	Gordziel			
MOB	AV	6,307,003	10/23/2001	Grigat et al.			
MOB	AW	6,319,352	11/20/2001	Simmmler et al.			
MOB	AX	6,365,680	04/02/2002	Edgington et al.			

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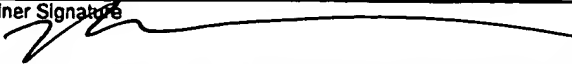
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Foreign Patent Documents or Published Foreign Patent Applications								
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							Yes	No
MOB	AY	0 609 713 A1	08/10/1994	Europe				
MOB	AZ	DE 9304018 (Abstract Only)	10/13/1998	Germany				
MOB	AAA	GB 2 136 003 A	09/12/1984	United Kingdom				
MOB	ABB	JP 57030776 (Abstract Only)	02/19/1982	Japan				
MOB	ACC	JP 83046277 (Abstract Only)	10/15/1983	Japan				
MOB	ADD	WO 95/02649	01/26/1995	WIPO				
MOB	AEE	WO 01/15671 A2	03/08/2001	WIPO				
MOB	AFF	WO 02/05581 A2	07/18/2002	WIPO				
MOB	AGG	WO 02/05581 A3	07/18/2002	WIPO				

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
MOB	AHH	Avella et al., "Poly(3-hydroxybutyrate)/poly(methyleneoxide) blends: thermal, crystallization and mechanical behaviour", <i>Polymer</i> , Vol. 38, No. 25, pp. 6135-6143 (1997)
MOB	AII	Blümm et al., "Miscibility, crystallization and melting of poly(3-hydroxybutyrate)/poly(L-lactide) blends", <i>Polymer</i> , Vol. 36, No. 21, pp. 4077-4081 (1995)
MOB	AJJ	Chen et al., "Miscibility and morphology of blends of poly(3-hydroxybutyrate) and poly(vinyl butyral)", <i>Polymer</i> , Vol. 42, pp. 8407-8414 (2001)
MOB	AKK	Chiu et al., "Crystallization induced microstructure of crystalline/crystalline poly(vinylidene fluoride)/poly(3-hydroxybutyrate) blends probed by small angle X-ray scattering", <i>Polymer</i> , Vol. 42, pp. 5749-5754 (2001)
MOB	ALL	Choe et al., "Miscibility of poly(3-hydroxybutyrate-co-3-hydroxyvalerate) and poly(vinyl chloride) blends", <i>Polymer</i> , Vol. 36, No. 26, pp. 4977-4982 (1995)
MOB	AMM	Chun et al., "Thermal properties of poly(hydroxybutyrate-co-hydroxyvalerate) and poly(ε-caprolactone) blends", <i>Polymer</i> , Vol. 41, pp. 2305-2308 (2000)
MOB	ANN	Class et al., "The Viscoelastic Properties of Rubber-Resin Blends. I. The Effect of Resin Structure", <i>J. Appl. Poly Sci.</i> , Vol. 30, No. 2, pp. 805-814 (1985)
MOB	AOO	Class et al., "The Viscoelastic Properties of Rubber-Resin Blends. II. The Effect of Resin Molecular Weight", <i>J. Appl. Poly Sci.</i> , Vol. 30, No. 2, pp. 815-824 (1985)
MOB	APP	Class et al., "The Viscoelastic Properties of Rubber-Resin Blends. III. The Effect of Resin Concentration", <i>J. Appl. Poly Sci.</i> , Vol. 30, No. 2, pp. 825-842 (1985)
MOB	AQQ	Fujita et al., "Miscibility Between Natural Rubber and Tackifiers. I. Phase Diagrams of the Blends of Natural Rubber with Rosin and Terpene Resins", <i>J. Appl. Poly Sci.</i> , Vol. 64, No. 11, pp. 2191-2197 (1997)

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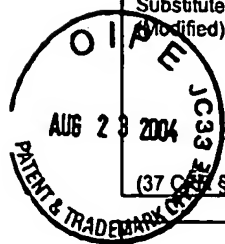
Other Documents (include Author, Title, Date, and Place of Publication)		
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MOB	ARR	Fujita et al., "Effects of Miscibility on Probe Tack of Natural-Rubber-Based Pressure-Sensitive Adhesives", <u>J. Appl. Poly Sci.</u> , Vol. 70, No. 4, pp. 771-776 (1998)
MOB	ASS	Fujita et al., "Effects of Miscibility on Peel Strength of Natural-Rubber-Based Pressure-Sensitive Adhesives", <u>J. Appl. Poly Sci.</u> , Vol. 70, No. 4, pp. 777-784 (1998)
MOB	ATT	Goh et al., "A completely miscible ternary blend system of poly(3-hydroxybutyrate), poly(ethylene oxide) and polyepichlorohydrin", <u>Polymer</u> , Vol. 40, pp. 5733-5735 (1999)
MOB	AUU	Hay et al., "Crystallisation of poly(3-hydroxybutyrate)/polyvinyl acetate blends", <u>Polymer</u> , Vol. 41, pp. 5749-5757 (2000)
MOB	AVV	Hobbs et al., "The effect of water on the crystallization of thin films of poly(hydroxybutyrate)", <u>Polymer</u> , Vol. 38, No. 15, pp. 3879-3883 (1997)
MOB	AWW	Iriondo et al., "Thermal and infra-red spectroscopic investigations of a miscible blend composed of poly(vinyl phenol) and poly(hydroxybutyrate)", <u>Polymer</u> , Vol. 36, No. 16, pp. 3235-3237 (1995)
MOB	AXX	Iwata, "Role of entanglement in crystalline polymers 1. Basic theory", <u>Polymer</u> , Vol. 43, pp. 6609-6626 (2002)
MOB	AYY	Kim et al., "Miscibility and Peel Strength of Acrylic Pressure-Sensitive Adhesives: Acrylic Copolymer-Tackifier Resin Systems", <u>J. Appl. Poly Sci.</u> , Vol. 56, No. 2, pp. 201-209 (1995)
MOB	AZZ	Luo et al., "The effect of molecular weight on the lamellar structure, thermal and mechanical properties of poly(hydroxybutyrate-co-hydroxyvalerates)", <u>Polymer</u> , Vol. 43, pp. 4159-4166 (2002)
MOB	AAAA	Maekawa et al., "Miscibility and tensile properties of poly (β -hydroxybutyrate)-cellulose propionate blends", <u>Polymer</u> , Vol. 40, pp. 1501-1505 (1999)
MOB	ABBB	McNally et al., "Polyamide-12 layered silicate nanocomposites by melt blending", <u>Polymer</u> , Vol. 44, pp. 2761-2772 (2003)
MOB	ACCC	Miguel et al., "Blends of bacterial poly(3-hydroxybutyrate) with synthetic poly(3-hydroxybutyrate) and poly(epichlorohydrin): transport properties of carbon dioxide and water vapour", <u>Polymer</u> , Vol. 42, pp. 953-962 (2001)
MOB	ADDD	Mizumachi et al., "Theory of Tack of Pressure-Sensitive Adhesive. II", <u>J. Appl. Poly Sci.</u> , Vol. 37, No. 11, pp. 3097-3104 (1989)
MOB	AEEE	Nakajima et al., Rheology, Composition, and Peel-Mechanism of Block Copolymer-Tackifier-Based Pressure Sensitive Adhesives", <u>J. Appl. Poly Sci.</u> , Vol. 44, No. 8, pp. 1437-1456 (1992)
MOB	AFFF	Ohkoshi et al., "Miscibility and solid-state structures for blends of poly[(S)-lactide] with atactic poly[(R,S)-3-hydroxybutyrate]", <u>Polymer</u> , Vol. 41, pp. 5985-5992 (2000)
MOB	AGGG	Paul et al., "New nanocomposite materials based on plasticized poly(L-lactide) and organo-modified montmorillonites: thermal and morphological study", <u>Polymer</u> , Vol. 44, pp. 443-450 (2003)
MOB	AHHH	Qiu et al., "Melting behaviour of poly(butylenes succinate) in miscible blends with poly(ethylene oxide)", <u>Polymer</u> , Vol. 44, pp. 3095-3099 (2003)
MOB	AIII	Qiu et al., "Miscibility and crystallization of poly(ethylene oxide) and poly(ϵ -caprolactone) blends", <u>Polymer</u> , Vol. 44, pp. 3101-3106 (2003)
MOB	AJJJ	Qiu et al., "Poly (hydroxybutyrate)/poly(butylenes succinate) blends: miscibility and nonisothermal crystallization", <u>Polymer</u> , Vol. 44, pp. 2503-2508 (2003)
MOB	AKKK	Whitehouse R. S. "Contact Adhesives", <u>Critical Reports on Applied Chemistry, Synthetic Adhesives & Sealants</u> , Chapter 1, Volume 16, edited by WC Wake (1987)
MOB	ALLL	Willett et al., "Processing and properties of extruded starch/polymer foams", <u>Polymer</u> , Vol. 43, pp. 5935-5947 (2002)

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Other Documents (include Author, Title, Date, and Place of Publication)		
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MOB	AMMM	Xu et al., "In situ FTIR study on melting and crystallization of polyhydroxyalkanoates", <u>Polymer</u> , Vol. 43, pp. 6893-6899 (2002)
MOB	ANNN	Yoon et al., "Compatibility of poly(3-hydroxybutyrate)/poly(ethylene-co-vinyl acetate) blends", <u>Polymer</u> , Vol. 39, No. 12, pp. 2479-2487 (1998)
MOB	A000	Yoshie et al., "Temperature dependence of cocrystallization and phase segregation in blends of poly(3-hydroxybutyrate) and poly(3-hydroxybutyrate-co-3-hydroxyvalerate)", <u>Polymer</u> , Vol. 42, pp. 8557-8563 (2001)
MOB	APPP	Yuan et al., "Miscibility and transesterification of phenoxy with biodegradable poly(3-hydroxybutyrate)", <u>Polymer</u> , Vol. 39, Vol. 10, pp. 1893-1897 (1998)
MOB	AQQQ	Zhang et al., "Miscibility, melting and crystallization behavior of two bacterial polyester/poly(epichlorohydrin-co-ethylene oxide) blend systems", <u>Polymer</u> , vol. 41, pp. 1429-1439 (2000)

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U.S. Patent Documents

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MOB	AA	5,191,037	03/02/1993	Doi et al.			
	AB	5,646,217	07/08/1997	Hammond			
MOB	AC	5,693,389	12/02/1997	Liggat			
MOB	AD	6,191,203	02/20/2001	Asrar et al.			
MOB	AE	6,221,316	04/24/2001	Hänggi et al.			
MOB	AF	6,228,954	05/08/2001	Kaplan et al.			
MOB	AG	US 2002/0143116	10/03/2002	Noda et al.			

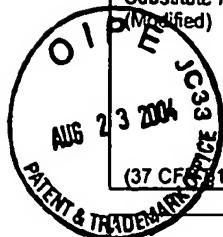
Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
MOB	AH	EP 0 450 777	10/09/1991	Europe				
MOB	AI	DE 43 00 420	07/14/1994	Germany				
	AJ	WO 95/10577	04/20/1995	WIPO				
MOB	AK	WO 96/08535	03/21/1996	WIPO				
MOB	AL	EP 0 826 803	03/04/1998	Europe				
MOB	AM	EP 0 890 614	01/13/1999	Europe				
	AN	EP 1 193 294	04/03/2002	Europe				
MOB	AO	WO 02/28969	04/11/2002	WIPO				
MOB	AP	WO 02/50156	06/27/2002	WIPO				
MOB	AQ	WO 02/059201	08/01/2002	WIPO				
MOB	AR	WO 02/077080	10/03/2002	WIPO				
MOB	AS	WO 02/085983	10/31/2002	WIPO				

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MOB	AT	Abe et al., "Synthesis and Characterization of Poly[(R,S)-3-hydroxybutyrate-b-6-hydroxyhexanoate] as a Compatibilizer for a Biodegradable Blend of Poly[(R)-3-hydroxybutyrate] and Poly(6-hydroxyhexanoate)", <u>Macromolecules</u> , 27(21):6012-6017 (1994).

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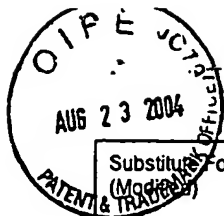


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MOB	AU	Iannace et al., "Poly(3-hydroxybutyrate)-co-(3-hydroxyvalerate)/Poly-L-Lactide Blends: Thermal and Mechanical Properties", <u>Journal of Applied Polymer Science</u> , 54:1525-1535 (1994).
MOB	AV	Mallardé et al., "Hydrolytic Degradability of poly(3-hydroxyoctanoate) and of a poly(3-hydroxyoctanoate)/poly(R,S-lactic acid) Blend", <u>Polymer</u> , 39(15):3387-3392 (1998).
MOB	AW	Scandola et al., "Polymer Blends of Natural Poly(3-hydroxybutyrate-co-3-hydroxyvalerate) and a Synthetic Atactic Poly(3-hydroxybutyrate). Characterization and Biodegradation Studies.", <u>Macromolecules</u> , 30(9):2568-2574 (1997).
MOB	AX	Tsuji et al., "Blends of Crystalline and Amorphous Poly(lactide) III. Hydrolysis of Solution-cast Blend Films", <u>Journal of Applied Polymer Science</u> , 64(7):855-863 (1997).

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MOB	AA	4,511,687	04/16/85	Nakashima et al.			
MOB	AB	5,192,612	03/09/93	Otter et al.			
MOB	AC	5,502,158	03/26/96	Lipinsky et al.			
MOB	AD	5,646,217	07/08/97	Hammond			
MOB	AE	6,472,502	10/29/02	Jurgens et al.			

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
MOB	AF	EP 0 553 394	08/04/93	Europe				
MOB	AG	JP 05 339 557	12/21/93	Japan			Abstract	
MOB	AH	WO 94/10257	05/11/94	WIPO				
MOB	AI	WO 95/10577	04/20/95	WIPO				
MOB	AJ	WO 95/20615	08/03/95	WIPO				
MOB	AK	WO 96/05264	02/22/96	WIPO				
MOB	AL	DE 44 30 415	03/14/96	Germany				
MOB	AM	EP 0 741 177	11/06/96	Europe				
MOB	AN	WO 97/04036	02/06/97	WIPO				
MOB	AO	JP 11 302521	11/02/99	Japan			Abstract	
MOB	AP	JP 2001 316658	11/16/01	Japan			Abstract	
MOB	AQ	WO 02/10303	02/07/02	WIPO				
MOB	AR	EP 1 193 294	04/03/02	Europe				
MOB	AS	EP 1 236 753	09/04/02	Europe				

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